

# *[A SEA-BASED HYDROGEN-OXYGEN GENERATION SYSTEM]*

## **Abstract**

A method for generation of hydrogen and oxygen contained in a salt solution provides for the disposing a number of wind turbines on navigable collection vessels in waters distant from shore. The wind turbines have a large number of blades, typically 30, to provide high torque for generating electricity used for extracting said gasses from the atmosphere by means of electrolysis. The collection vessels are disposed in predetermined zones, which are changed when weather conditions provide better collection conditions elsewhere. The gasses are stored in cylinders located both on the collection vessels, and on storage vessels attached to the collection vessels. After collection the cylinders are transported to shore facilities for further purification and/or distribution.